JAMECO®
ELECTRONIC COMPONENTS
COMPUTER PRODUCTS

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Part Number: 129541
Product Number: ADAM4021 (Analog Output Module)

Analog Output:

Output Type:	mA, V
Output Range:	0 to 20mA, 4 to 20mA, and 0 to 10V
Isolation Voltage:	$500V_{DC}$
Accuracy:	+/- 0.1% of FSR for current output +/- 0.2% of FSR for voltage output
Readback Accuracy:	+/- 0.1% of FSR
Zero Drift:	Voltage Output - +/-30μV/ ^{0}C Current Output - +/-0.2μA/ ^{0}C
Span Temperature Coefficient:	+/-25 ppm / ^{0}C
Programmable Output Slope:	0.125 to 128mA/sec 0.625 to 64.0 V/sec
Current Load Resistor:	0 - 500 ohms (source)
Power Requirement:	+10 to $+30V_{DC}$ (unregulated)
Power Consumption:	1.2 W

*ADAM 4000 Series Common Specifications:

Communication

- RS-485 (2 wire) to host
- Speeds: 1200, 2400, 4800, 9600, 19200 bps
- Maximum communication distance: 4000 feet (1.2Km)
- Power and communication LED indicator
- ASCII command / response protocol
- Communication error checking with checksum
- Asynchronous data format: 1 start bit, 8 data bits, 1 stop bit, no parity
- Up to 256 multidrop modules per serial port
- On-line Module insertion and removal
- Transient suppression on RS-485 communication lines

Power Requirements

- Unregulated +10 to $+30V_{DC}$
- Protected against power reversal

Mechanical

- Case: ABS with captive mounting hardware
- Plug-in screw terminal block: accepts 0.5mm to 2.5mm 1 - #12 or 2 - #14 to #22 AWG

Environment

- Operating temperature: 14 to 158 degrees Fahrenheit (-10 to 70 degrees Celsius)
- EMI: Meets FCC class A
- Storage Temperature: -13 to 185 degrees Fahrenheit (-25 to 85 degrees Celsius)